GenCore version 5.1.3 Copyright (c) 1993 - 2003 Compugen Ltd.

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(without alignments)
122.462 Million onl! updates/see
                                   Search time 661 571 Seconds
OM protein - nucleic search, using trame_plus_p2n model
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Command line parameters.

MODEL-frame. p2n.model (DEV-X)p

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em_gss_other:* em_qss_mam:* cm_gss_mus:* em_gss_pro:* em_gss_vrt:* em_gss_hum:* em_qss_inv:* cm_gss_pin:* em_qss_rod:* em_qss_fun:* * · Ultil 150 Wo Am_Astom·* em_estin: rn_tstnu: em_estov: cm_estp! em_estro. em_ltc:* em_esthum:* gb_est4:*
qb_est5:* em_estba:* qb_cst3;* qb_qss: * . LS∃ 10: Database

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result	MALLE MANAGE SERVICE CONTRACTOR OF THE CONTRACTO	egros	Query Match	Length	DB	ID	Description
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AL. I GNMENTS

GSS 29-SEP-2000 AZ308423 19 bp DNA linear GSS 29-SEP-200 IM0011E21F Mouse 10kb plasmid UUGCIM library Mus musculus genomic clone UUGC1M0011E21 F, DNA sequence. Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus 1 (bases 1 to 19) Dunn, D., Aoyaqi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly A2308423.1 GI:10348404 Mus musculus house mouse. AZ308423 GSS. DEFINITION A2308423/c ORGANISM ACCESS ION VERSION KEYWORDS REFERENCE AUTHORS SOURCE LOCUS

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house mouse
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Best Local Similarity:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Unity Annal on Associated by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end repaired with T4 DNA polymerase and T4 polymericutide Kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pwh12 (gif4732114;gb1AF125072.1), a copyrumber inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       purilied. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-nompetent E. coli X.10 GGId (Stratagene) cells and solected for ampleilin resistance."
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                                                                                                                                                                                            308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
.M., Rose,M., Rose,R., Stokes,P., Tinger,A., von Niederhausern,A.
and Wright,D.,Weiss,R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /note-"Vector: PWD42nv; Purified genomic DNA from M.
musculus C57H;/6: (Mair) was obtained from the Jackson
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /lab_host-"E. Coli strain XL10.Gold, T1-resistant, F."
                                                   Mouse whole genome scaffolding with paired end reads from 10kb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /db_xref-"taxon:10090"
/clone-"UUGCIMO011E21"
/clone_lib-"Mouse 10kb plasmid UUGCIM library"
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Seq primer: CGTFGTAAAAGGACGGCAGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /organism="Mus musculus"
/strain="C57HL/6J"
                                                                                                                                                University of Utah Genome Center
                                                                                                                                                                                                                                                                                                                                                                                                        High quality sequence stop: 19.
                                                                                                                                                                                                                                                                                       Email: ddunn@qenetics.utah.edu
                                                                                                                                                                                                                                                                                                                                                                                                                                   Location/Qualitiers
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                                                                                               Unpublished (2000)
Contact: Robert B. Weiss
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                                                                                                                                                                      University of Utah
                                                                                                                                                                                                                                      Tel: 801 585 5606
Fax: 801 585 7177
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This clone is available through: ResCen, Invitrogen Corp. 2130 South Memorial Parkway Huntsville, AL 35801 For further information call: (800)-533-4363 or contact via email: coustesquen.com Insert Length: 271 Std Error: 0.00 Seq primer: -4.0PP from Gibco.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /note="Vector: pBluescript II XR; Site_1: EcoRI; Site_2: Moi; his cDNA library was constructed from mRNA isolated from mature flowers of field grown plants. The cDNA library was prepared using the Stralagene pBluescript II
Eukaryeta, Viridiplantae, Streptophyta, Embryophyta; Tracheophyta;
Spermatophyta: Magnoliophyta, eudicotyledous, core eudicots;
Kosidae, eutosids I, Fabates, Fabaceae, Papilionoideae; Phaseoleae;
                                                                                                                     T. (bases 1 to 54)
Shoemaker, P., Keim, P., Vodkin, L., Erpelding, J., Coryell, V., Khanna, A., Bollans, Marra, M., Hillier, L., Kucaba, T., Martin, J., Beck, C., Wylie, T., Underwood, K., Steptoe, M., Theising, B., Allen, M., Bowers, Y., Person, B., Swaller, T., Gibbons, M., Fiape, D., Harvey, N., Schurk, R., Ritter, E., Kohn, S., Shin, T., Jackson, Y., Cardenas, M., McCann, R., Waterston, R. and Wilson, R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            XR cDNA library construction kit. Complementary DNA was synthesized from mRNA using a primer consisting of a poly (dr) sequence with a Xhoi restriction site. EcoRi adapters were ligated to the blunt-ended cDNA fragments followed by Xhoi digestion. The cDNA iraqments were directionally cloned into the EcoRi-Xhoi restriction site of the pBluescript vector. The ligated cDNA fragments were transformed into Xhi3 Gold host ceils. This library was constructed by Dr. Randy Shoemaker and Dr. John
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              lisear EST 01-DEC 2000
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Washington University School of Medicine
4444 Forest Park Parkway, Hox 8501, St. Louis, MO 63108, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /tissue_type="Mature flowers, field grown plants"
/lab_host="Xt,10-Gold"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /organism-"Glycinc max"
/db_xref="taxon:3847"
/db_cref="taxon:3847"
/clone-"cenoME SYSTEMS CLONE ID: Gm-c1015-4780"
/clone_lib="Gm-c1015"
                                                                                                                                                                                                                                                                                                                                                                                                            Contact: Shoemaker R/Public Soybean EST Project.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Email: est@watson.wustl.edu
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                                                                                                                                                                                                                                                                                                                                                                                  Unpublished (1999)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Tel: 314 286 1800
Fax: 314 286 1810
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ORGANISM

AUTHORS TITLE

REFERENCE

MEDILINE COMMENT

JOURNAL

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// incle="Vector: PWM42nv; Purified genomic INA from M. Mischais G7BL/61 (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated gassage through a 5.305 lich orlifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynousleotide kinase. Adaptor ollopousleotides were pigated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                10.5 kb range using preparative agarose gellectrophores)s. Vector DNA was prepared from a derivative of pww12 (gil472114)gblaF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purilied. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  linear EST 02-AUG-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Riomedical Bulymors Fostarch Rily , 20 S. 2010 E., SLC, UT
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                                                   Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi;
Mammalia, Butheria, Rodentia, Sciurognathi, Muridae, Mulinae; Mus.
1 (bases 1 to 66)
                                                                                                                                                          Pund.P., A.yagi,A., Barber,M., Reacorn,I., Duval,B., Hamil,C.,
Islam,H., Longacce,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
.M., Pose,M., Pose,P., Stokes,R., Ilngey,A., von Niederhausern,A.
and Wright,D.,Weiss,R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /sex="Male"
/lab_host="E. Coli strain XL10-Gold, Il·resistant, F-"
                                                                                                                                                                                                                                                                                                          Mouse whole genome scaffolding with paired and reads from 10kb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /db_xrel="taxon:lonwy"
/clone="UUGCIMO193113"
/clone_lib="Mouse 10kb plasmid UUGCIM library"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     00022
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Seg primer: GGTPGTAAAAGGAGGCCAGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /organism-"Mus musculus"
                                                                                                                                                                                                                                                                                                                                           plasmid inserts
Unpublished (2000)
Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /11 hp
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Tel: 801 585 5506
Fax: 801 585 7177
Email: ddunnagenetics.utah.edu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-856-070-25 (1-5) x AZ417551 (1-66)
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23.00
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                                    Mus musculus
   house mouse.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             USA
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                                                                                                                                        REFERENCE
                                                                                                                                                                                                                                                                                                                                                                                    JOURNAL
                                                                                                                                                                         AUTHORS
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SOURCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /String in the Mail by Mail of the Mail of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Oligonucleotide that was used to prime the synthesis of lirst strand cDNA and therefore this may represent a bonafide poly A Lail. The sequence tag present in the cDNA between the Notil site and the oligo-dT track served to verify it as a clone from the hippocampus tissue cDNA Library Preparation. M.B. Soares Lab Clone distribution: Researchers may obtain mANP. The Properting Town Preparation of CENETICS. It should be noted that Beato Soares is generating a small number of additional specialized non redundant arrays of BMAP cDNAs whose availability will be considered under apprepriate and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GSS 03-0CI-2000
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1M0193113F Mouse 10kb plasmid UUGCIM libraty Mus museulus genomie
clone UUGCIM0193113 F. DNA sequence.
                         Eukaryota; Metazoa: Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutherja; Rodentia; Sciurognathi, Muridac, Murinae, Mus
                                                                                            1 (bases 1 to 66)
Bonaldo,M.F., Lennon,G. and Scares,M.B.
Normalization and subtraction two approaches to facilitate gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Email: mESTAmail.nib gov
The Sequence contained an olige dI track that was present in the
                                                                                                                                                                                                                                                                                                                                                                         6001 Executive Blod Poom 7N-7190, MSC 9643, Bethesda, MD 20892-9643, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            visit our web site at brainest.eng.uiowa.edu.
TAC_LIB=NIH_BMAP_MH12_S1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    3 NGC00
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Mismatches:
                                                                                                                                                                                                                                                                                                                                               National institute of Mental Health
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length.
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97044477
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/strain="C5781,/6J"
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TAG_SEQ=TAGTC"
16 c 16 q
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AZ417551,1 GI:10541564
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100.00%
100.00%
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Tel: 301 443 1706
Fax: 301 443 9890
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                                                                                                                                                                                                                                                                                                          Contact: Chin, H
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            99.
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Mus musculus
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Source

FEATURES

Percent Similarity:

Query Match:

DEFINITION

RESULT 4 A2417551

ACCESS 10N

KEYWORDS

VERSION

Alignment Scores.

BASE COUNT

ORIGIN

Pred. No.:

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AA423006 74 bp mRNA linear EST 16-ocT 1997 vc84a04.rl Scares mouse NDMH Mus musculus chNA clone iMaCE:832878 5' similar to gb:L08441 CYTOCHROME C OXIDASE POLYPEPTIDE III (HUMAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Marra,M., Hillier,L., Allen,M., Bowles,M., Dietrich,N., Dubuque,T., Gelsel,S., Kucaba,T., Lacy,M., Ic,M., Martin,J., Morris,M., Schollenberg,K., Srepton,M., Tan,F., Underwood,K., Moore,B., Theising,B., Wylie,T., Lennon,G., Soares,H., Wilson,K. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             3'); double-stranded cDNA was ligated to Eco RI adaptors (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of the modified pi773 vector. RNA provided by Dr. Minoru Ko, Wayne State Univ. Library constructed and normalized by Bento Soares and M.Patima
                                                                                                                                                                                                                                                                                                                                                                      Mammalia; Eutheria; Rodentia; Sciuroquathi; Muridae; Murinae; Mus.
1 (bases 1 to 74)
                                                                                                                                                                                                                                                                                                                                          Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            This clone is available royalty-free through LLNL; contact the IMAGE Consortium (info@image.llnl.gov) for further information.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          7
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Washington University School of MedicineP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Seq primer: -28ml3 rev2 ET from Amersham
High quality sequence stop: 1,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative:
Mismatches:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /clone_lib="Soares mouse NbMH"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Trace considered overall poor quality
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Contact: Marra M/Mouse EST Project
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The WashU-HHMI Mouse EST Project.
Unpublished (1996)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            mouseestawatson.wustl.edu
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/clone-"IMAGE:832878"
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/lab_host="DH10B"
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Fax: 314 286 1810
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Eukaryota: Metazoa; Chordata; Craniata: Vertebrata; Euteleostomi;
Hammalia: Butheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (Jases I to 70)
Marra, M., Hillier, L., Allen, M., Bowles, M., Dietrich, N., Dubuque, T., Geisel, S., Kucaba, T., Lacy, M., Le, M., Martin, J., Morris, M., Schellenberg, K., Sieptoe, M., Tan, F., Underwood, K., Moore, B.,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cloned into the Not L and Eco RT sites of the modified pP7F3 vector. Library went through one round of normalization, and was constructed by Rento Soares and westering boost to the basing boost to the present of the 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Email: mouseess watson.wustl.edu
This clone is available royalty-tree through LLNL; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
mq91e07.rl Soares mouse embryo NbME13.5 14.5 Mus musculus cDNA clone IMAGE:440388 5' similar to PIR:A42792 A42792 succinate dehydrogenase ;, mkNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Theising, B., Wylie, T., Lennon, G., Soares, B., Wilson, R. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Washirdton University School of MedicineP
Washirdton University School of MedicineP
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
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Contact: Marra M/Mouse EST Project
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Fax: 314 286 1810
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                                                                                                                                                                                                                             Marra, M., Hillier, L., Allen, M., Bowles, M., Dietrich, N., Dubuque, T., Gesel, S., Kucaba, T., Lacy, M., Le, M., Martin, J., Morris, M., Schellenberg, R., Steptoe, M., Tan, F., Underwood, K., Moore, B., Thelsing, B., Wylle, T., Lennon, G., Soares, B., Wilson, P. and Waterston, R.
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--Gegreen ArchtpriptTriptly 3.
--Gegreen Noil/Sali sites of a peroff vector (Life Technologies) Two different size selections: B1 (larger
  linear EST 23-SEP-1997
                                                                                                                                                                        Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Enteleostomi,
Mammalia, Eutheria, Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 74)
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Site_2. Sali, Cloned uniditectionally from mKNA prepared
          vm7Rh09 rl knowles solter mense blasteeyst H'Mus musculus cDNA clone IMAGE:1004417 5' similar to gh.L0441 cyforHROME c oxidase POLYPEPIIDE III (HUMAN);, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Email: mouscest@watson.wustl.edu
This clone is available royal'y-free 'hrough LINI'; coptact the
IMAGE Consortium (inlo@image lln1 gov) for further information
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/tissue_type="blastocyst"
/dev_stage="embryo (pre-implantation)"
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Washington University School of MedicineP
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Mismatches:
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/strain="c57RL/6" x pRA/21Fl"
/db_xref-"taxon:10090"
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Contact: Marra M/Mouse EST Project
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BF314574 GI:11262706
                                                                                            AA600472 1 G1-2434047
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Fax: 314 285 1810
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/organism="Homo sapiens"
/db_xrei="taxon:9606"
/db_xrei="taxon:9606"
/db_xrei="taxon:9606"
/clone="lb="NH Homo:19"
/fissue_type="neuroblastoma"
/fissue_type="neu
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Hillier,L., Lennon,G., Becker,M., Bonaldo,M.F., Chiapelli, H.,
Chissoe,S., Dietrich,N., Dubuque,T., Favello,A., Gish,W., Hawkins,M. H., Haman,M., Fursta,T., Lary,M., La,M., Fer,M., Mardis,E., Moore,B., Morris,M., Parsons,J., Prange,C., Ritkin,L., Rohlling,T., Schellenberty, R., Soares,M.B., Tan,F., Thierry-Meg,J., Trevaskis,E., Onderwood,K., Wohldmann,P., Waterston,R., Wilson,P. and Marra,M. Ceneration and analysis of 280,000 human expressed sequence tags
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Eukaryola, Meladoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia: Eutheria, Primates, Catarrhini, Hominidae, Homo.
1. (bases 1 to 76)
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Eukarycia; Metazca; Chordata; Craniata, Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be
found through the L.M.A.G.E. Consortium/LLNL at: image.llnl.gcv
Plate: LLCM1027 row: i column: 22
High quality sequence stop: 76.
                                                                                                                                                                                                                              National Institutes of Health, Mammalian Gene Collection (MGC) Unpublished (1999)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    cDNA Library Preparation: Ling Hong/Rubin Laboratory CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
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Mismatches:
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                                                                                                                                                                                                                                                                                                                                                                  Contact: Robert Strausberg, Ph.D.
                                                                                                                                                                                          NIH-MGC http://mgc.nci.nih.gov/.
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lissue Procurement: AICC
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Spermatophyta, Magnoliophyta, Liliopsida, Poales, Poaceae, PACC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Maize genomic sequences found using engineered RescueMu transposon
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                                                                                                                               This clone is available royalty-free through LLNL; contact the IMAGE Consortium (info@lmage.llnl.gov) for further information.
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1006077H10.yl 1006 - RescueMu Grid G Zea mays genomic, DNA
                                              Washington University School of Medicine
4444 Forest Park Parkway, Hox 8501, St. Louis, MO 63108
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                                                                                                                                                                                                                                                                                            /clone_lib-"Morton Fetal Cochlea"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative:
                                                                                                                                                                                                                                                                                                            /tissue_type="cochlea"
/dev_stage="16-22 week fetus"
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Genome Res. 6 (9), 807-828 (1996)
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/organism-"Homo sapiens"
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                                                                                                                                                                                                                                             /db_xref-"GDH: 1892046"
                                                                                                                                                                Seq primer: ml3 -40 forward
High quality sequence stop: 1.
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                                                                                                                                                                                                                                                                             /clone-"IMAGE:284929"
                                                                                                                                                                                                Location/Qualitiers
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                                                                                                                Email: estawatson.wustl.edu
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Fax: 650 725 8221
Email: Walbot<sup>®</sup>stanford.cdu
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                                  Contact: Wilson RK
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Contact: Walbot V
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                                                                                Tel: 314 286 1800
Fax: 314 286 1810
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'RescueMu.' Gild G was grown at stantord in 2000. DNA was extracted from leaf punches, double digested using BamHI and Biglit, and ligated to form circular plasmids. DHFUB cells were transformed and then sercened on LH plates with ampicillin."
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Geisel,S., Kucaba,T., Lacy,M., Le,M., Martin,J., Morris,M.,
Schellenberg,K., Steptoe,M., Tan,F., Underwood,K., Moore,H.,
Theising,B., Wilie,T., Lennon,G., Soares,H., Wilson,R. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Seiurognathi; Muridae; Murinae; Mus.
                                                                                                                                                                                                                                            /note "Organ. leaf, Vector: RescueMu (enqineered from pBlueStript backkone); Site_1: BamHI; Site_2: RajlI; RescueMu is a 4.9 kb, modilied maize Mu transposon designed to allow plasmid rescue from total genomic DNA.
                                                                                                                                                                                                                                                                                                                                                        Mu elements insert preferentially into transcription units. For more information on RescueMu, go to the web site 'www.zmdb.iastate.edu' and follow the links for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Email: mouseest.watson.wustl.edu
This chore is available royalty-free through LLNL ; contact the
IMAGE Consortium (info@image.linl.gov) for further intormation.
MGI:477757
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IMAGE-793349 5' similar to qb:LO8441 CYTOCHROME C OXIDASE
POLYPEPTIDE 111 (HUMAN);, mRNA sequence.
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4444 Forest Park Parkway, Box 8501, St. Louis, MC 63108
                                              /organism-"Zea mays"
/cultivai-"mixed background W23/Ai88/B73"
/db_xrei-"taxon:4577"
                                                                                                                                      /clone_lib-"1006 - RescueMu Grid G"
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                                                                                                                                                             /tissue_type-"leaf"
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Location/Qualitiers
                                                                                                                                                                                     /dev_stage="adult"
/lab_host="DH108"
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Fax: 314 286 1810
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       23.00
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75 ATGCTGCGATTACAG 89
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                                                                                            ORIGIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOURCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ab21406.sl Stratagere lung (#937210) Home Sapirus cENA clone
IMAGE:841451 3' similar to qb:213009_rnal EPITHELIAL-CADHERIN
PPECHPSOR (HUMAN); mPNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mammalia; Futheria; Primates, Catariblin; Hominidae, Homo.

(bases 1 to 98)
Hillier, L., Allen, M., Bowles, L., Dubuque, T., Geisel, G., Jost, S., Kucaba, T., Lacy, M., Le, N., Lennon, G., Marra, M., Martin, T., Moore, B., Schellenberg, K., Steptoe, M., Tan, F., Theising, B., White, Y., Wylle, T., Waterston, R., and Wilson, R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /note-"Organ: lung: Vertor: pBluescript SK-; Site_1: EcoRI
                                                                                                                                           Eukaryota, Metagoa, Chordata, Craniata, Vertebrata, Euteleustomi,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  This clone is available royalty-free through LLML; contact the IMAGE Consortium (info@image.llnl.gov) for further information. Trace considered overall poor quality Seq primer: -danl3 twd. Er from Amersham High quality sequence stop. 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Washington University School of Medicine
4444 Forest Park Parkжuy, Bva 8561, St. Isuis, MC 63108
Tel: 314 286 1800
Fax: 314 286 1810
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /lab_host-"SOLR cells (kanamycin resistant)"
                                                                     /clone_lib:"knowles Solter mouse 2 cell"
/Lissue_lype"=embryo"
/Lissue_lype="embryo"
/lab_host_"DH10B"
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/crganism "Mus musculus"
/strain="c57Rt/KT x PRA/21 Fl"
/db_xref="taxon:10090"
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Indels:
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/db_xref-"taxon:9606"
/clone-"IMAGE:841451"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /dev_stage="72 years"
                                                  /clone="IMAGE:793349"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WashU-Merck ESF Project 1997
Unpublished (1997)
Contact: Wilson RK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-856-070-25 (1-5) x AA438242 (1-95)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Email: estawatson.wustl.edu
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nae33h10.x1 Lupski_sympathetic_trunk Homo sapieus cDNA clone
IMARE-4040986 3', mRNA sequence.
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CDNA Library Arrayed by: The L.M.A. of F. Consortium (LLNL)
ENA Sequencing by: Washington University Genome Sequencing Center
Close distribution: Note: CAR elone distribution can be
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /note-wector: pCMV-SPORT6 (Lite Technologies); Site_1:
Not1: Site_2: Sall: cDNA made by oligo-dT priming.
Directionally cloned using the following adaptors:
5'-105ACCGACCGCGCCG-3' and
5'-3ACTAGTTGTAGATCGCGAGCGGCCCT(15)-3'. Size selected >
1 kb for average insert length 1.9 kb. This is a primary library, non-amplified Library constructed by Lite
Technologies and donated by J. Lupski, M.D./Ph.D. (Baylor College of Medicine); available through Lite
, Site_2, Xhor, Cloned uniditetionally. Primer: Olido dI. bormal lung. Average insert size: 1.0 kb; Uni 2AP XR Vector; -5' adaptor sequence: 5' CAATTGGGAGGG 3' -3' adaptor sequence: 5' CIGGTTTTTTTTTTTTTTTTTTTTTTTTT" 3' -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Eukaryola; Metazoa; Chordata; Craniala; Vertebrata; Euteleostomi;
Mammalia; Eutheria, Primates, Catarrhini; Hominidae; Homo.
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/sex="male"
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NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
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/dev_stage="adult, 16 yr"
/lab_host="iB108"
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Mismatches:
Indels:
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Tissue Procurement: Dr. James Lupski
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/db_xref="taxon:9606"
/clone="IMAGE:4090986"
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Location/Qualitiers
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Unpublished (1997)
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Alignment Scores:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                by long-trange light lidelity FCR using Takara's Ex Tag polymerase. Then, the cDNAs were purified by phenol/Chloroform and by Centricon 100. The cDNAs were digested with Sail and Notl enzymes. Then, the cDNAs were size selected by Gibro's Size Fractionation Column. The CDNAs were cloned into Sall/Notl site of pSPORTI plasmid vector. The DHIOB E. coli host was transformed with the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Tanaka,T.S., Jaradat,S.A., Lim,M.K., Kargul,G J , Wang,X , Grahovac
,M.J., Pantano,S., Sano,Y., Piao,Y., Nagaraja,R., Doi,H., Wood,W.H.
111, Becker,K.G. and Ko,M.S.H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Irom 0.8ug of mRNA. The double-stranded cDNAS were treated with T4 DNA polymerase and purified by cthanol-precipitation. The cDNAS were ligated to Lone-linker LL-Sal3 (include Sal1 sequence). The cDNAS were purified by phenol/chloratorm and separated from tree linkers by centricon 100. Then, cDNAS were amplified
                                                                                                                                                                                                                                                                                                                                                                                    EST 31-AUG-2000
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Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus.
1 (bases 1 to 100)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Genome-wide expression prollling of mid-gestation placenta and embryo using a 15,000 mouse developmental cDNA microarray Proc. Natl. Acad. Sci. 9.5.A. 97 (16), 9127-9132 (2000)
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333 Cassell Drive, Suite 4000, Baltimore, MD 21224-6820, USA
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                                                  Conservative:
Mismatches:
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                          Matches:
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/lab_host-"DH10B"
  Length:
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Plate: CO189 row: A column: 10
Seg primer: -21M13 Forward
High quality sequence stop: 100
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Contact: George J. Kargul
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/hote=151gan. stomach_normal, Vertor. pur18; Site_1: Small. Site_2: Smal; A min; library was made by cloning products derived from ORESTES PCR (0.5. Letters Patent application No. 196,716 - Ludwig Institute for Cancer Research) prolifies into the pur 18 owter. Beverse transcription of tissue mRNA and cDNA amplification were performed under low stringency conditions.

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Elds Note, E., dr. id. Coffee, E., Verjovski Almeida, S., Briones, M.R., Magai, M.A., da Silva, W. Jr., Zago, M.A., Bordin, S., Costa, F. F., Goldman, G.H., Carvalho, A.F., Matsukuma, A., Baia, G.S., Simpson, D.H., Brunstein, A., Goldveira, P.S., Hucher, P., Jongeneel, C.V., O'Hare, M.J., Soares, F., Erentani, R.R., Reis, L.F., de Souza, S.J. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Eureleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 105)
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Ludwig Institute for Cancer Research
Rua Prof Antonio Prudente 104, 4 andar, 01509-010, Sao Paulo-SP,
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ligation mixture by chemical method. The library was constructed by Xiaohong Wang." 18~c~21~g~26~t
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Seq primer: puc 18 forward
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Scarch completed: January 16, 2003, 21:37:11 Job time: 665.571 secs

